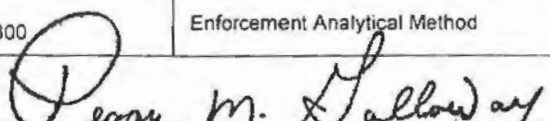


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

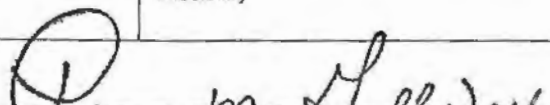
Date 01/10/2013		EPA Reg. No./File Symbol 64744-E		Page 1 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group A - Product Identity, Composition and Analysis Test Guidelines					
830.1550	Product Identity and Composition	48873101	SPIESS-URANIA CHEMICALS GMBH	OWN	
830.1600	Description of Materials Used to Produce the Product	48873101	SPIESS-URANIA CHEMICALS GMBH	OWN	
830.1620	Description of Production Process	48873101	SPIESS-URANIA CHEMICALS GMBH	OWN	
830.1670	Description of Formation of Impurities	48873101	SPIESS-URANIA CHEMICALS GMBH	OWN	
830.1700	Preliminary Analysis	48873102	SPIESS-URANIA CHEMICALS GMBH	OWN	
830.1750	Certified Limits	48873101	SPIESS-URANIA CHEMICALS GMBH	OWN	
830.1800	Enforcement Analytical Method	48873101 48873102	SPIESS-URANIA CHEMICALS GMBH	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 01/10/2013		EPA Reg. No./File Symbol 64744-E		Page 2 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 52% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines					
830.6302	Color	43363805	Copper Sulfate Task Force	OWN	
830.6303	Physical State	43363805	Copper Sulfate Task Force	OWN	
830.6304	Odor	43363805	Copper Sulfate Task Force	OWN	
830.6313	Stability to Sunlight, Normal and Elevated Temperatures, Metals and Metal Ions	47644901	Phibro Tech, Inc.	PER	
830.6314	Oxidizing or Reducing Action	47524201	Phibro Tech, Inc.	PER	
830.6315	Flammability	N/A	N/A	N/A	This study is required on the EUP this product is a TGA1.
830.6316	Explosibility	N/A	N/A	N/A	This study is required on the EUP this product is a TGA1.
830.6317	Storage Stability	47726401	Phibro Tech, Inc.	PER	
830.6319	Miscibility	N/A	N/A	N/A	This study is required on the EUP this product is a TGA1.
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

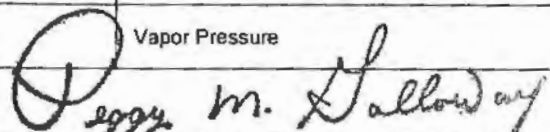
Date 01/10/2013			EPA Reg. No./File Symbol 64744-E		Page 3 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines (Continued)					
830.6320	Corrosion Characteristics	47726401	Phibro Tech, Inc.	PER	
830.6321	Dielectric Breakdown Voltage	N/A	N/A	N/A	This study is required on the EUP this product is a TGAI.
830.7000	pH of Water Solutions or Suspensions	43363805	Copper Sulfate Task Force	OWN	
830.7050	UV/Visible Absorption	47521702 47465001	Phibro Tech, Inc.	PER	
830.7050	UV/Visible Absorption	43363805	Copper Sulfate Task Force	OWN	
830.7100	Viscosity	N/A	N/A	N/A	This study is required on the EUP this product is a TGAI.
830.7200	Melting Point/Melting Range	43363805	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

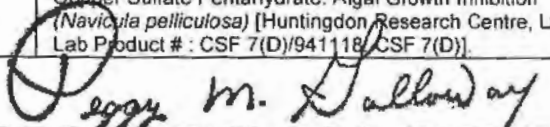
Date 01/10/2013			EPA Reg. No./File Symbol 64744-E		Page 4 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines (Continued)					
830.7220	Boiling Point/Boiling Range	N/A	N/A	N/A	This study is required on liquids this product is a solid.
830.7300	Density/Relative Density	43363805	Copper Sulfate Task Force	OWN	
830.7370	Dissociation Constant in Water	N/A	N/A	N/A	This study is not applicable to this product.
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	N/A	N/A	N/A	This study is not applicable to this product.
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography	N/A	N/A	N/A	This study is not applicable to this product.
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	43363805	Copper Sulfate Task Force	OWN	
830.7860	Water Solubility: Generator Column Method	43363805	Copper Sulfate Task Force	OWN	
830.7950	Vapor Pressure	N/A	N/A	N/A	This study is not applicable to this product.
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

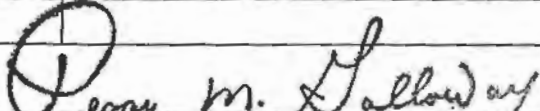
DATA MATRIX

Date 01/10/2013			EPA Reg. No./File Symbol 64744-E		Page 5 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group A - Aquatic Fauna Test Guidelines					
850.1010	Submission of Environmental Fate Data in Support for Reregistration of Pesticide Products Containing Copper Sulfate.	41189000	Copper Sulfate Task Force	OWN	
850.1010	An Aquatic Sediment Dissipation Study of Copper Sulfate in the Hillborough Reservoir, Florida [Wildlife International Ltd. Project ID 241-101]	41189001	Copper Sulfate Task Force	OWN	
850.1010	Residue and Incidence Monitoring of Aquatic Sites Treated with Copper-Containing Pesticides [Orius Associates, Inc. Project No. 26887: File/Issue No. 35-COP/89024]	41189002	Copper Sulfate Task Force	OWN	
850.1950	Submission of Environmental Fate Data in Support for Reregistration of Pesticide Products Containing Copper Sulfate.	42033700	Copper Sulfate Task Force	OWN	
850.1950	Letter Response to Review of Response to Copper Incident Monitoring Study Data Evaluation Record [Orius Associates, Inc. Lab Project # 26687: File/Issue No. 35-COP/91078]	42033701	Copper Sulfate Task Force	OWN	
Group B - Terrestrial Wildlife Test Guidelines					
850.2100	Avian Oral LD ₅₀ (Mallard or Bobwhite)	00010620 00067456		OLD	
850.2200	Avian Dietary LC ₅₀ (Mallard or Bobwhite)	00099587 00134362		OLD	
Group E - Toxicity to Microorganisms Test Guidelines					
850.5400	Submission of Hazard to Aquatic Plants Data in Support of Registration Standard for Copper Compounds.	43363600	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Navicula pelliculosa</i>) [Huntingdon Research Centre, Ltd. Lab Product #: CSF 7(D)/941118/CSF 7(D)]	43363601	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

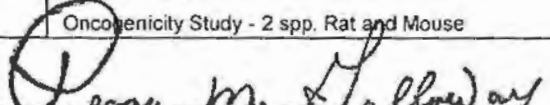
Date 01/10/2013		EPA Reg. No./File Symbol 64744-E		Page 6 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group E - Toxicity to Microorganisms Test Guidelines (cont.)					
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Anabaena flos-aquae</i>) [Huntingdon Research Centre, Ltd. Lab Product #: CSF 7(C)/941123:CSF 7(C)].	43363602	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Selenastrum capricornutum</i>) [Huntingdon Research Centre, Ltd. Lab Project #: CSF 7(B)/941112:CSF 7(B)].	43363603	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Higher Plant (<i>Lemna</i>) Growth Inhibition Test [Huntingdon Research Centre, Ltd. Lab Project #: CSF 7(A)/941127:CSF 7(A)].	43363604	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Skeletonema costatum</i>) [Huntingdon Research Centre, Ltd. Lab Project #: CSF 7(E)/941129:CSF 7(E)].	43363605	Copper Sulfate Task Force	OWN	
Series 860 - Residue Chemistry Test Guidelines					
860.1300	Nature of Residue: Plants				Refer to comment # 1 below
860.1340	Residue Analytical Method				Refer to comment # 1 below
860.1360	Mag. Of Res. - Crop Field Trials				Refer to comment # 1 below
860.1400	Mag. Of Res. - Potable Water				Refer to comment # 2 below
860.1400	Mag. Of Res. - Fish				Refer to comment # 1 below
860.1550	Proposed Tolerance				Refer to comment # 1 below
Signature 		Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

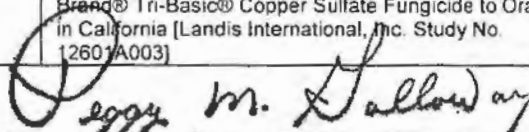
Date 01/10/2013			EPA Reg. No./File Symbol 64744-E		Page 7 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group A - Acute Toxicity Test Guidelines					
870.1100	Acute Oral Toxicity	41421602 42235201		OLD	
870.1200	Acute Dermal Toxicity	00159371 00152505 42235202		OLD	
870.1300	Acute Inhalation Toxicity	00160580 42481201		OLD	
Group B - Specific Organ/ Tissue Toxicity Test Guidelines					
870.2400	Primary Eye Irritation	40237402 40077002		OLD	
870.2500	Primary Dermal Irritation	N/A	N/A	N/A	Refer to Waiver # 1 below
870.2600	Dermal Sensitization	N/A	N/A	N/A	Refer to Waiver # 2 below
Group C - Subchronic Toxicity Test Guidelines					
870.3100 870.3150	90-day Feeding Studies - Rodent and Nonrodent				No endpoint specified in Copper RED
870.3700	Teratogenicity - 2 Species				No endpoint specified in Copper RED
870.3800	Reproduction, 2-generation				No endpoint specified in Copper RED
Group D - Chronic Toxicity Test Guidelines					
870.4100	Chronic Feeding - 2 spp. Rodent and nonrodent				No endpoint specified in Copper RED
870.4200	Oncomeritcity Study - 2 spp. Rat and Mouse				No endpoint specified in Copper RED
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

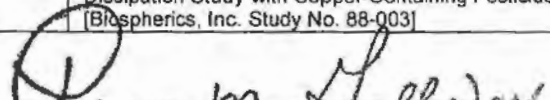
Date 01/10/2013		EPA Reg. No./File Symbol 64744-E		Page 8 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group E - Genetic Toxicity Test Guidelines					
870.5100	Gene Mutation				No endpoint specified in Copper RED
870.5300 870.5375	Structural Chromosome Aberration				No endpoint specified in Copper RED
870.5385 870.5395	Other Genotoxic Effects				No endpoint specified in Copper RED
Group F - Neurotoxicity Test Guidelines					
870.6100	Acute Delayed Neurotoxicity -Hen				No endpoint specified in Copper RED
Group G - Special Studies Test Guidelines					
870.7485	General Metabolism				No endpoint specified in Copper RED
Group B - Postapplication Exposure Monitoring Test Guidelines					
875.2000 875.2400	Monitoring Exposure of Workers During Reentry into Orange Groves and Determination of Dislodeable Residues of Copper after Application of Tennessee Brand® Tri-Basic® Copper Sulfate Fungicide to Oranges in California [Landis International, Inc. Study No. 12601A003]	44466901	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 01/10/2013		EPA Reg. No./File Symbol 64744-E		Page 9 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
40 CFR §158.290 Environmental Fate Data Requirements					
161-1	Degradation Studies - Hydrolysis				Refer to comment # 3 below
161-2	Degradation Studies - Photodegradation: In Water				Refer to comment # 3 below
162-1 and 162-2	Submission of Environmental Fate Data in Support of the Copper Sulfate Registration Standard.	40879600	Copper Sulfate Task Force	OWN	
162-3, 162-4 and 163-1	Literature Review to Characterize the Adsorption Potential of Copper in the Environment [HydroQual, Inc. Project No. CSTF-0010]	40879601	Copper Sulfate Task Force	OWN	
164-1	Analytical Report for Terrestrial Outdoor Field Dissipation Studies with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003-002]	41003801	Copper Sulfate Task Force	OWN	
164-1	Method Validation Report for Terrestrial Outdoor Field Dissipation Study with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003]	41003802	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 01/10/2013

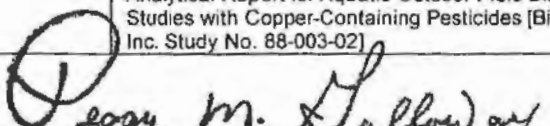
EPA Reg. No./File Symbol 64744-E

Page 10 of 11

Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH
ALSTER TERRALSSE 2, D-2000
HAMBURG 36 GERMANY

Product FUNGURAN TEC 62% Cu

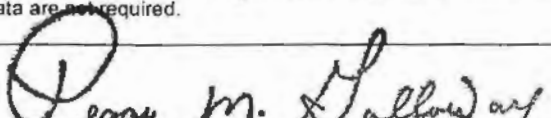
Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
40 CFR §158.290 Environmental Fate Data Requirements (cont.)					
164-1	Terrestrial Outdoor Field Dissipation Study with Copper-Containing Pesticides: Interim Study Report [Orius Associates, Inc. Project No. 24086: File/Issue No. 35-COP/89006]	41003803	Copper Sulfate Task Force	OWN	
164-1	Submission of Environmental Fate Data in Support for Reregistration of Pesticide Products Containing Copper Sulfate	41116800	Copper Sulfate Task Force	OWN	
164-1	Metallic Copper Environmental Fate on Citrus in Florida [Biospherics, Inc. Protocol No. 1641-88-121-01-01A-01]	41116801	Copper Sulfate Task Force	OWN	
164-1 and 164-2	Submission of Data to Support Registration of Copper Sulfate: Environmental Fate Studies.	41003800	Copper Sulfate Task Force	OWN	
164-1 and 164-2	Summary of Results and Conclusions for Aquatic and Terrestrial Field Dissipation Studies with the Residue and Incidence Monitoring Survey [Orius Associates, Inc. Project No. 24086: File/Issue No. 35-CO/89020].	41003805	Copper Sulfate Task Force	OWN	
164-2	Submission of Data to Support Registration of Copper Sulfate and Group II Copper Compounds: Residue Chemistry Study.	40968200	Copper Sulfate Task Force	OWN	
164-2	Method Validation Report for Aquatic Outdoor Field Dissipation Study with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003]	40968201	Copper Sulfate Task Force	OWN	
164-2	Analytical Report for Aquatic Outdoor Field Dissipation Studies with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003-02]	41003804	Copper Sulfate Task Force	OWN	
Signature			Name and Title Peggy M. Galloway, Regulatory Agent		Date 01/10/2013

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	01/10/2013	EPA Reg. No./File Symbol	64744-E	Page	11 of 11
Applicant/Registrant Name & Address	SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY		Product	FUNGURAN TEC 62% Cu	
Ingredient	Copper Hydroxide				
COMMENT #1:	Not required per CFR 40 Part 180.1021 (a) and EPA document titled: "Guidance for the Reregistration of Pesticide Products Containing as the Active Ingredient Copper Sulfate, Case #0636, CAS #1344-73-6".				
COMMENT #2:	1 ppm in potable water as per CFR 40 Part 180.536				
COMMENT #3:	Not required per EPA document titled: "Reregistration Eligibility Decision (RED) for Coppers," Case Nos. 0636, 0649, 4025, 4026, Revised May 2009.				
WAIVER #1:	This product is a known skin irritant. The Level I/Toxicity Category I user precautions appear on the label.				
WAIVER #2:	Per "Guidance for the Reregistration of Pesticide Products Containing Group II Copper Compounds as the Active Ingredient", (EPA April 1987), copper is a known skin sensitizer and data are not required.				
Signature			Name and Title	Peggy M. Galloway, Regulatory Agent	
			Date	01/10/2013	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

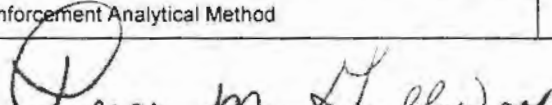
Form Approved OML J. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 1 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group A - Product Identity, Composition and Analysis Test Guidelines					
830.1550	Product Identity and Composition		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
830.1600	Description of Materials Used to Produce the Product		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
830.1620	Description of Production Process		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
830.1670	Description of Formation of Impurities		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
830.1700	Preliminary Analysis		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 3
830.1750	Certified Limits		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
830.1800	Enforcement Analytical Method		SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

update

update

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

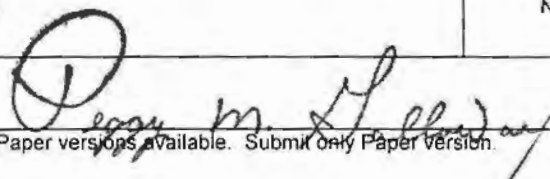
Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 2 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines					
830.6302	Color	43363805	Copper Sulfate Task Force	OWN	
830.6303	Physical State	43363805	Copper Sulfate Task Force	OWN	
830.6304	Odor	43363805	Copper Sulfate Task Force	OWN	
830.6313	Stability to Sunlight, Normal and Elevated Temperatures, Metals and Metal Ions	47544901	Phibro Tech, Inc.	PER	
830.6314	Oxidizing or Reducing Action	47524201	Phibro Tech, Inc.	PER	
830.6315	Flammability	N/A	N/A	N/A	This study is required on the EUP this product is a TGA.
830.6316	Explosibility	N/A	N/A	N/A	This study is required on the EUP this product is a TGA.
830.6317	Storage Stability	47726401	Phibro Tech, Inc.	PER	
830.6319	Miscibility	N/A	N/A	N/A	This study is required on the EUP this product is a TGA.

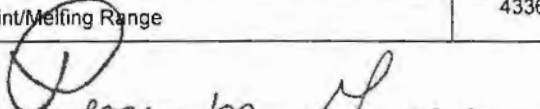
Signature 	Name and Title Peggy M. Galloway, Regulatory Agent	Date 05/23/2012
---	---	--------------------

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

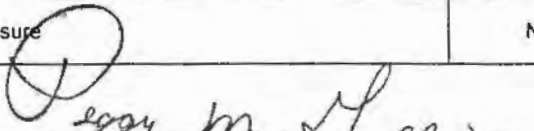
Date 05/23/2012		EPA Reg. No./File Symbol 64744 -		Page 3 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines (Continued)					
830.6320	Corrosion Characteristics	47726401 ✓	Phibro Tech, Inc.	PER	
830.6321	Dielectric Breakdown Voltage	N/A	N/A	N/A	This study is required on the EUP this product is a TGA1.
830.7000	pH of Water Solutions or Suspensions	43363805	Copper Sulfate Task Force	OWN	
830.7050	UV/Visible Absorption	47521702 47465001 N/A	Phibro Tech, Inc.	PER	
830.7100	Viscosity	N/A	N/A	N/A	This study is required on the EUP this product is a TGA1.
830.7200	Melting Point/Melting Range	43363805	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012			EPA Reg. No./File Symbol 64744 -		Page 4 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines (Continued)					
830.7220	Boiling Point/Boiling Range	N/A	N/A	N/A	This study is required on liquids this product is a solid.
830.7300	Density/Relative Density	43363805	Copper Sulfate Task Force	OWN	
830.7370	Dissociation Constant in Water	N/A	N/A	N/A	This study is not applicable to this product.
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	N/A	N/A	N/A	This study is not applicable to this product.
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography	N/A	N/A	N/A	This study is not applicable to this product.
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	43363805	Copper Sulfate Task Force	OWN	
830.7860	Water Solubility: Generator Column Method	43363805	Copper Sulfate Task Force	OWN	
830.7950	Vapor Pressure	N/A	N/A	N/A	This study is not applicable to this product.
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012

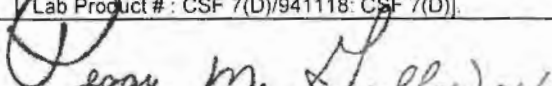
EPA Reg. No./File Symbol 64744 -

Page 5 of 11

Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH
 ALSTER TERRALSSE 2, D-2000
 HAMBURG 36 GERMANY

Product
 FUNGURAN TEC 62% Cu

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group A - Aquatic Fauna Test Guidelines					
850.1010	Submission of Environmental Fate Data in Support for Reregistration of Pesticide Products Containing Copper Sulfate.	41189000	Copper Sulfate Task Force	OWN	Biotic Ligand Model (Where appropriate) ↓
850.1010	An Aquatic Sediment Dissipation Study of Copper Sulfate in the Hillborough Reservoir, Florida [Wildlife International Ltd. Project ID 241-101]	41189001	Copper Sulfate Task Force	OWN	
850.1010	Residue and Incidence Monitoring of Aquatic Sites Treated with Copper-Containing Pesticides [Orius Associates, Inc. Project No. 26887:File/Issue No. 35-COP/89024]	41189002	Copper Sulfate Task Force	OWN	
850.1950	Submission of Environmental Fate Data in Support for Reregistration of Pesticide Products Containing Copper Sulfate.	42033700	Copper Sulfate Task Force	OWN	
850.1950	Letter Response to Review of Response to Copper Incident Monitoring Study Data Evaluation Record [Orius Associates, Inc. Lab Project # 26687: File/Issue No. 35-COP/91078]	42033701	Copper Sulfate Task Force	OWN	
Group B - Terrestrial Wildlife Test Guidelines					
850.2100	Avian Oral LD ₅₀ (Mallard or Bobwhite)				Refer to comment # 1 below
850.2200	Avian Dietary LC ₅₀ (Mallard or Bobwhite)				Refer to comment # 1 below
Group E - Toxicity to Microorganisms Test Guidelines					
850.5400	Submission of Hazard to Aquatic Plants Data in Support of Registration Standard for Copper Compounds.	43363600	Copper Sulfate Task Force	OWN	Avian Repro Honey Bee
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Navicula pelliculosa</i>) [Huntingdon Research Centre, Ltd. Lab Product #: CSF 7(D)/941118: CSF 7(D)].	43363601	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

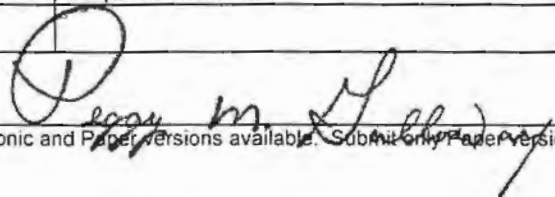
DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 6 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group E - Toxicity to Microorganisms Test Guidelines (cont.)					
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Anabaena flos-aquae</i>) [Huntingdon Research Centre, Ltd. Lab Product #: CSF 7(C)/941123:CSF 7(C)].	43363602 ✓	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Selenastrum capricornutum</i>) [Huntingdon Research Centre, Ltd. Lab Project #: CSF 7(B)/941112:CSF 7(B)].	43363603 ✓	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Higher Plant (<i>Lemna</i>) Growth Inhibition Test [Huntingdon Research Centre, Ltd. Lab Project #: CSF 7(A)/941127:CSF 7(A)].	43363604 ✓	Copper Sulfate Task Force	OWN	
850.5400	Copper Sulfate Pentahydrate: Algal Growth Inhibition (<i>Skeletonema costatum</i>) [Huntingdon Research Centre, Ltd. Lab Project #: CSF 7(E)/941129:CSF 7(E)].	43363605 ✓	Copper Sulfate Task Force	OWN	
Series 860 - Residue Chemistry Test Guidelines					
860.1300	Nature of Residue: Plants				Refer to comment # 1 below
860.1340	Residue Analytical Method				Refer to comment # 1 below
860.1360	Mag. Of Res. - Crop Field Trials				Refer to comment # 1 below
860.1400	Mag. Of Res. - Potable Water				Refer to comment # 2 below
860.1400	Mag. Of Res. - Fish				Refer to comment # 1 below
860.1550	Proposed Tolerance				Refer to comment # 1 below

Signature



Name and Title
Peggy M. Galloway, Regulatory Agent

Date
05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 7 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group A - Acute Toxicity Test Guidelines					
870.1100	Acute Oral Toxicity	42235201	Griffin, L.L.C.	OLD	
870.1200	Acute Dermal Toxicity	42235202	Griffin, L.L.C.	OLD	
870.1300	Acute Inhalation Toxicity	42481201	Griffin, L.L.C.	OLD	
Group B - Specific Organ/ Tissue Toxicity Test Guidelines					
870.2400	Primary Eye Irritation	40237402 40077002	Griffin, L.L.C.	OLD	
870.2500	Primary Dermal Irritation	N/A	N/A	N/A	Refer to Waiver # 1 below
870.2600	Dermal Sensitization	N/A	N/A	N/A	Refer to Waiver # 2 below
Group C - Subchronic Toxicity Test Guidelines					
870.3100 870.3150	90-day Feeding Studies - Rodent and Nonrodent				Refer to comment # 3 below
870.3700	Teratogenicity - 2 Species				Refer to comment # 1 below
870.3800	Reproduction, 2-generation				Refer to comment # 1 below
Group D - Chronic Toxicity Test Guidelines					
870.4100	Chronic Feeding - 2 spp. Rodent and nonrodent				Refer to comment # 1 below
870.4200	Oncogenicity Study - 2 spp. Rat and Mouse				Refer to comment # 1 below
Signature			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

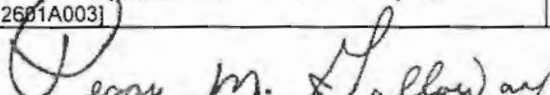
Form Approved O Jo. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 8 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

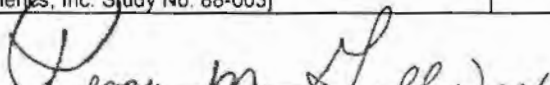
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group E - Genetic Toxicity Test Guidelines					
870.5100	Gene Mutation				Refer to comment # 1 below
870.5300 870.5375	Structural Chromosome Aberration				Refer to comment # 1 below
870.5385 870.5395	Other Genotoxic Effects				Refer to comment # 1 below
Group F - Neurotoxicity Test Guidelines					
870.6100	Acute Delayed Neurotoxicity -Hen				Refer to comment # 3 below
Group G - Special Studies Test Guidelines					
870.7485	General Metabolism				Refer to comment # 1 below
Group B - Postapplication Exposure Monitoring Test Guidelines					
875.2000 875.2400	Monitoring Exposure of Workers During Reentry into Orange Groves and Determination of Dislodeable Residues of Copper after Application of Tennessee Brand® Tri-Basic® Copper Sulfate Fungicide to Oranges in California Landis International, Inc. Study No. 12661A0031	44466901	Copper Sulfate Task Force	OWN	
Signature			Name and Title Peggy M. Galloway, Regulatory Agent	Date 05/23/2012	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

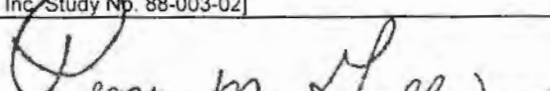
DATA MATRIX

Date 05/23/2012			EPA Reg. No./File Symbol 64744 -		Page 9 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
40 CFR §158.290 Environmental Fate Data Requirements					
161-1	Degradation Studies - Hydrolysis		↓		Refer to comment # 3 below
161-2	Degradation Studies - Photodegradation: In Water				Refer to comment # 3 below
162-1 and 162-2	Submission of Environmental Fate Data in Support of the Copper Sulfate Registration Standard.	40879600	Copper Sulfate Task Force	OWN	
162-3, 162-4 and 163-1	Literature Review to Characterize the Adsorption Potential of Copper in the Environment [HydroQual, Inc. Project No. CSTF-0010]	40879601	Copper Sulfate Task Force	OWN	
164-1	Analytical Report for Terrestrial Outdoor Field Dissipation Studies with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003-002]	41003801	Copper Sulfate Task Force	OWN	
164-1	Method Validation Report for Terrestrial Outdoor Field Dissipation Study with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003]	41003802	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

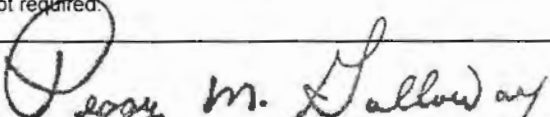
Date 05/23/2012			EPA Reg. No./File Symbol 64744 -		Page 10 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
40 CFR §158.290 Environmental Fate Data Requirements (cont.)					
164-1	Terrestrial Outdoor Field Dissipation Study with Copper-Containing Pesticides: Interim Study Report [Orius Associates, Inc. Project No. 24086: File/Issue No. 35-COP/89006]	41003803	Copper Sulfate Task Force	OWN	
164-1	Submission of Environmental Fate Data in Support for Reregistration of Pesticide Products Containing Copper Sulfate	41116800	Copper Sulfate Task Force	OWN	
164-1	Metallic Copper Environmental Fate on Citrus in Florida [Biospherics, Inc. Protocol No. 1641-88-121-01-01A-01]	41116801	Copper Sulfate Task Force	OWN	
164-1 and 164-2	Submission of Data to Support Registration of Copper Sulfate: Environmental Fate Studies.	41003800	Copper Sulfate Task Force	OWN	
164-1 and 164-2	Summary of Results and Conclusions for Aquatic and Terrestrial Field Dissipation Studies with the Residue and Incidence Monitoring Survey [Orius Associates, Inc. Project No. 24086: File/Issue No. 35-CO/89020].	41003805	Copper Sulfate Task Force	OWN	
164-2	Submission of Data to Support Registration of Copper Sulfate and Group II Copper Compounds: Residue Chemistry Study.	40968200	Copper Sulfate Task Force	OWN	
164-2	Method Validation Report for Aquatic Outdoor Field Dissipation Study with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003]	40968201	Copper Sulfate Task Force	OWN	
164-2	Analytical Report for Aquatic Outdoor Field Dissipation Studies with Copper-Containing Pesticides [Biospherics, Inc. Study No. 88-003-02]	41003804	Copper Sulfate Task Force	OWN	
Signature 			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012		EPA Reg. No./File Symbol 64744 -	Page 11 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu	
Ingredient Copper Hydroxide			
COMMENT #1: Not required per CFR 40 Part 180.1021 (a) and EPA document titled: "Guidance for the Reregistration of Pesticide Products Containing as the Active Ingredient Copper Sulfate, Case #0636, CAS #1344-73-6".			
COMMENT #2: 1 ppm in potable water as per CFR 40 Part 180.536			
COMMENT #3: Not required per CFR 40 Part 180.1021 (a) and EPA document titled: "Guidance for the Reregistration of Pesticide Products Containing as the Active Ingredient Copper Sulfate, Case #0636, CAS #1344-73-6".			
WAIVER #1: This product is a known skin irritant. The Level I/Toxicity Category I user precautions appear on the label.			
WAIVER #2: Per "Guidance for the Reregistration of Pesticide Products Containing Group II Copper Compounds as the Active Ingredient", (EPA April 1987), copper is a known skin sensitizer and data are not required.			
Signature 		Name and Title Peggy M. Galloway, Regulatory Agent	Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OML J. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 1 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 3
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2
			SPIESS-URANIA CHEMICALS GMBH	OWN	See Volume 2

Signature

Peggy M. Galloway

Name and Title
Peggy M. Galloway, Regulatory Agent

Date
05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 2 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines					
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Phibro Tech, Inc.	PER	
			Phibro Tech, Inc.	PER	
			N/A	N/A	This study is required on the EUP this product is a TGA.
			N/A	N/A	This study is required on the EUP this product is a TGA.
			Phibro Tech, Inc.	PER	
			N/A	N/A	This study is required on the EUP this product is a TGA.

Signature <i>Peggy M. Galloway</i>	Name and Title Peggy M. Galloway, Regulatory Agent	Date 05/23/2012
---------------------------------------	---	--------------------

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012

EPA Reg. No./File Symbol 64744 -

Page 3 of 11

Applicant/Registrant Name & Address
SPIESS-URANIA CHEMICALS GMBH
ALSTER TERRASSE 2, D-2000
HAMBURG 36 GERMANY

Product
FUNGURAN TEC 62% Cu

Ingredient Copper Hydroxide

			Submitter	Status	Note
			Phibro Tech, Inc.	PER	
			N/A	N/A	This study is required on the EUP this product is a TGA1.
			Copper Sulfate Task Force	OWN	
			Phibro Tech, Inc.	PER	
			N/A	N/A	This study is required on the EUP this product is a TGA1.
			Copper Sulfate Task Force	OWN	

Signature

Peggy M. Galloway

Name and Title
Peggy M. Galloway, Regulatory Agent

Date
05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

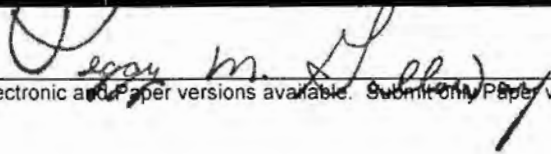
DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 4 of 11
-----------------	----------------------------------	--------------

Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu
---	--------------------------------

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
			N/A	N/A	This study is required on liquids this product is a solid.
			Copper Sulfate Task Force	OWN	
			N/A	N/A	This study is not applicable to this product.
			N/A	N/A	This study is not applicable to this product.
			N/A	N/A	This study is not applicable to this product.
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			N/A	N/A	This study is not applicable to this product.

Signature 	Name and Title Peggy M. Galloway, Regulatory Agent	Date 05/23/2012
--	---	--------------------

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012

EPA Reg. No./File Symbol 64744 -

Page 5 of 11

Applicant/Registrant Name & Address
 SPIESS-URANIA CHEMICALS GMBH
 ALSTER TERRALSSE 2, D-2000
 HAMBURG 36 GERMANY

Product
 FUNGURAN TEC 62% Cu

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
					Refer to comment # 1 below
					Refer to comment # 1 below
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	

Signature

Peggy M. Galloway

Name and Title
 Peggy M. Galloway, Regulatory Agent

Date
 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 6 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
Group E - Toxicity to Microorganisms Test Guidelines (cont.)					
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
					Refer to comment # 1 below
					Refer to comment # 1 below
					Refer to comment # 1 below
					Refer to comment # 2 below
					Refer to comment # 1 below
					Refer to comment # 1 below
Signature <i>Peggy M. Galloway</i>			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012		EPA Reg. No./File Symbol 64744 - _____		Page 7 of 11	
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY		Product FUNGURAN TEC 62% Cu			
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
			Griffin, L.L.C.	OLD	
			Griffin, L.L.C.	OLD	
			Griffin, L.L.C.	OLD	
			Griffin, L.L.C.	OLD	
			Griffin, L.L.C.	OLD	
			N/A	N/A	Refer to Waiver # 1 below
			N/A	N/A	Refer to Waiver # 2 below
					Refer to comment # 3 below
		Refer to comment # 1 below			
		Refer to comment # 1 below			
		Refer to comment # 1 below			
Signature <i>Peggy M. Galloway</i>		Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved O 40. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 8 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRASSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	

Ingredient Copper Hydroxide

Ingredient	Copper Hydroxide				
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
					Refer to comment # 1 below
					Refer to comment # 1 below
					Refer to comment # 1 below
					Refer to comment # 3 below
					Refer to comment # 1 below
					Copper Sulfate Task Force
Signature	Peggy M. Galloway		Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012			EPA Reg. No./File Symbol 64744 -		Page 9 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
					Refer to comment # 3 below
					Refer to comment # 3 below
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
Signature <i>Peggy M. Galloway</i>			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

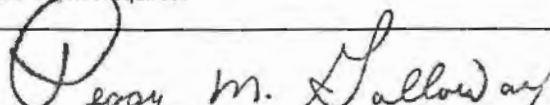
DATA MATRIX

Date 05/23/2012			EPA Reg. No./File Symbol 64744 -		Page 10 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY			Product FUNGURAN TEC 62% Cu		
Ingredient Copper Hydroxide					
Guideline Reference #	Guideline Study Name	MRID #	Submitter	Status	Note
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
			Copper Sulfate Task Force	OWN	
Signature <i>Peggy M. Galloway</i>			Name and Title Peggy M. Galloway, Regulatory Agent		Date 05/23/2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 05/23/2012	EPA Reg. No./File Symbol 64744 -	Page 11 of 11
Applicant/Registrant Name & Address SPIESS-URANIA CHEMICALS GMBH ALSTER TERRALSSE 2, D-2000 HAMBURG 36 GERMANY	Product FUNGURAN TEC 62% Cu	
Ingredient Copper Hydroxide		
COMMENT #1: Not required per CFR 40 Part 180.1021 (a) and EPA document titled: "Guidance for the Reregistration of Pesticide Products Containing as the Active Ingredient Copper Sulfate, Case #0636, CAS #1344-73-6".		
COMMENT #2: 1 ppm in potable water as per CFR 40 Part 180.536		
COMMENT #3: Not required per CFR 40 Part 180.1021 (a) and EPA document titled: "Guidance for the Reregistration of Pesticide Products Containing as the Active Ingredient Copper Sulfate, Case #0636, CAS #1344-73-6".		
WAIVER #1: This product is a known skin irritant. The Level I/Toxicity Category I user precautions appear on the label.		
WAIVER #2: Per "Guidance for the Reregistration of Pesticide Products Containing Group II Copper Compounds as the Active Ingredient", (EPA April 1987), copper is a known skin sensitizer and data are not required.		
Signature 	Name and Title Peggy M. Galloway, Regulatory Agent	Date 05/23/2012